

May 07, 2010

LABORATORY REPORT

Client:

Bureau Veritas
Pali Palms Plaza - 970 North Kalaheo Avenue, Suite C-316
Kailua, Hawaii 96734
Attn: Michael Kelley

Work Order: HTD0101
Project Name: Kuhio Park Terrace 2
Project Number: 17010-010009.02
Date Received: 04/16/10

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(808)486-5227

Samples were received into laboratory at a temperature of 3 °C.

NELAC states that samples which require thermal preservation shall be considered acceptable if the arrival temperature is within 2 degrees C of the required temperature or the method specified range. For samples with a temperature requirement of 4 degrees C, an arrival temperature from 0 degrees C to 6 degrees C meets specifications. Samples that are delivered to the laboratory on the same day that they are collected may not meet these criteria. In these cases, the samples are considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Approved By:



Marvin D. Heskett III
Laboratory Director

NELAC Certification # E87907

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

99-193 Alea Heights Drive, Suite 121 Alea, HI 96701 * 808-486-5227 * Fax 808-486-2456

Bureau Veritas

Pali Palms Plaza - 970 North Kalaheo Avenue, Suite C-316

Kailua, Hawaii 96734

Michael Kelley

Work Order: HTD0101

Received: 04/16/10

Reported: 05/07/10 15:14

Project: Kuhio Park Terrace 2

Project Number: 17010-010009.02

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
10009-MI-FTA <i>Tower A, Found</i>	HTD0101-01	Solid/Soil	04/15/10 10:04	04/16/10 12:00	
10009-MI-DUP1 <i>dup</i>	HTD0101-02	Solid/Soil	04/15/10	04/16/10 12:00	
10009-MI-TRIP1 <i>dip</i>	HTD0101-03	Solid/Soil	04/15/10	04/16/10 12:00	
10009-MI-OTA <i>Tower A, open</i>	HTD0101-04	Solid/Soil	04/15/10 10:03	04/16/10 12:00	
10009-MI-FE2 <i>E2, Found</i>	HTD0101-05	Solid/Soil	04/15/10 10:36	04/16/10 12:00	
10009-MI-OAE2 <i>E2 Open area</i>	HTD0101-06	Solid/Soil	04/15/10 10:37	04/16/10 12:00	
10009-MI-E10A <i>E1 open</i>	HTD0101-07	Solid/Soil	04/15/10 10:58	04/16/10 12:00	
10009-MI-E1FA <i>E1 Found</i>	HTD0101-08	Solid/Soil	04/15/10 10:59	04/16/10 12:00	
10009-MI-OTB <i>Tower B open</i>	HTD0101-09	Solid/Soil	04/16/10 08:51	04/16/10 12:00	
10009-MI-FTB <i>Tower B, Found</i>	HTD0101-10	Solid/Soil	04/16/10 08:52	04/16/10 12:00	
10009-MI-DUP2 <i>dip</i>	HTD0101-11	Solid/Soil	04/16/10	04/16/10 12:00	
10009-MI-TRIP2	HTD0101-12	Solid/Soil	04/16/10	04/16/10 12:00	

MI - FOC ?

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ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Rpt Limit	Dil	Date Analyzed	Prep Date	Seq/ Batch	Method
Sample ID: HTD0101-01 (10009-MI-FTA - Solid/Soil)				Sampled: 04/15/10 10:04			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.76	10	05/05/10 13:27	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-02 (10009-MI-DUP1 - Solid/Soil)				Sampled: 04/15/10			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.85	10	05/05/10 13:32	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-03 (10009-MI-TRIP1 - Solid/Soil)				Sampled: 04/15/10			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.71	10	05/05/10 13:37	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-04 (10009-MI-OTA - Solid/Soil)				Sampled: 04/15/10 10:03			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.59	10	05/05/10 13:42	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-05 (10009-MI-FE2 - Solid/Soil)				Sampled: 04/15/10 10:36			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.94	10	05/05/10 13:47	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-06 (10009-MI-OAE2 - Solid/Soil)				Sampled: 04/15/10 10:37			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.51	10	05/05/10 13:52	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-07 (10009-MI-E10A - Solid/Soil)				Sampled: 04/15/10 10:58			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.74	10	05/05/10 13:56	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-08 (10009-MI-E1FA - Solid/Soil)				Sampled: 04/15/10 10:59			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.53	10	05/05/10 14:01	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-09 (10009-MI-OTB - Solid/Soil)				Sampled: 04/16/10 08:51			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.89	10	05/05/10 14:06	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-10 (10009-MI-FTB - Solid/Soil)				Sampled: 04/16/10 08:52			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.65	10	05/05/10 14:11	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-11 (10009-MI-DUP2 - Solid/Soil)				Sampled: 04/16/10			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.78	10	05/05/10 14:26	04/30/10	10D0228	EPA 6010
Sample ID: HTD0101-12 (10009-MI-TRIP2 - Solid/Soil)				Sampled: 04/16/10			Recvd: 04/16/10 12:00		
Total Metals by EPA Method 6010/7471									
Arsenic	ND	RL1	mg/kg	9.64	10	05/05/10 14:31	04/30/10	10D0228	EPA 6010

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LABORATORY BLANK QC DATA

Analyte	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD Limit	Q
Total Metals by EPA Method 6010/7471												
Batch\Seq: 10D0228 Extracted: 04/30/10												
Blank Analyzed: 05/05/2010 (10D0228-BLK1)												
Arsenic			mg/kg	N/A	0.998	ND						

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LCS/LCS DUPLICATE QC DATA

Analyte	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD Limit	Q
Total Metals by EPA Method 6010/7471												
Batch\Seq: 10D0228 Extracted: 04/30/10												
LCS Analyzed: 05/05/2010 (10D0228-BS1)												
Arsenic		100	mg/kg	N/A	10.0	99.4		99		80-120		

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Total Metals by EPA Method 6010/7471													
Batch\Seq: 10D0228 Extracted: 04/30/10													
Matrix Spike Analyzed: 05/05/2010 (10D0228-MS1)													
QC Source Sample: HTD0101-01													
Arsenic	7.09	96.2	mg/kg	N/A	9.62	53.2	59.4	48	55	80-120	11	20	MI

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CERTIFICATION SUMMARY

TestAmerica Honolulu

Method	Matrix	Nelac	Hawaii
EPA 6010	Solid/Soil	X	

Subcontracted Laboratories

TestAmerica Tacoma

5755 8th Street East - Tacoma,, WA 98424

Analysis Performed: 8081A Pesticides

Samples: HTD0101-01, HTD0101-02, HTD0101-03, HTD0101-04, HTD0101-05, HTD0101-06, HTD0101-07,
HTD0101-08, HTD0101-09, HTD0101-10, HTD0101-11, HTD0101-12

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

DATA QUALIFIERS AND DEFINITIONS

M1 The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
RL1 Reporting limit raised due to sample matrix effects.
ND Not detected at the reporting limit (or method detection limit if shown)

ADDITIONAL COMMENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica - Honolulu

99-193 Aiea Heights Drive Suite 121 • Aiea, HI 96701-3900
808-486-LABS (5227) • Fax 808-486-2456

LABORATORY USE ONLY	
LAB JOB NO.	HTD0101
LOCATION	
CONTAINERS	

Chain of Custody / Analysis Request Form

Report to: Mike Kelley Bureau Veritas 970 N. Kaliae Drive 316-C Kailua HI 96734 531-6708 Fax 96734 Sample # 12 Matrix		Project Identification Job name: Kulis Park Terrace Job number: 14010-010009.02 P.O. number: Contact email address: michael.kelley@us.bureauveritas.com Date results needed: Standard		Indicate analyses requested - Organochlorine pesticides #8081 - Pyrethroids EPA # 1010					
Item no.	Client sample ID	COMP	GRAB	Matrix	Preservation method	Date	Time	No. of containers	Laboratory ID no.
1	10009-MI-FTA	X	X	Water		4/15	10:04	1	HTD0101-01
2	10009-MI-Dup1			Soil			00:00		-02
3	10009-MI-TRIP1			Wastewater			00:00		-03
4	10009-MI-OTA			Drinking water			00:00		-04
5	10009-MI-FE2			Sludge			10:30		-05
6	10009-MI-DAE2			Liquid			10:37		-06
7	10009-MI-E10A			Solid			10:58		-07
8	10009-MI-E1FA			Oil			10:59		-08
9	10009-MI-OTB			Other			08:51		-09
10	10009-MI-FTB						08:52		-10

Comments: * Multi Increment Methods

Please check one:
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Chain of Custody / Analysis Request Form

Report to: Mike Kelley		Project Identification		Indicate analyses requested					
Company name: Bureau Veritas		Job name: Kuhio Park Terrace		ORGANIC PESTICIDES 8081 ARSENIC EPA #1601D					
Address: 970 N. Kalaheo #316-C		Job number: HTD-010009.02							
City: Kailua State: HI ZIP: 96734		P.O. number:							
Phone: 531-6708 Fax:		Contact email address: michael.kelley@bureauveritas.com							
Sampler: NGIEM # samples in shipment: 12		Date results needed: Standard							
Item no.	Client sample ID	COMP	GRAB	Matrix	Preservation method	Date	Time	No. of containers	Laboratory ID no.
1	10009-MF-DUP2	X	X	Water		4/16	8:00	1	HTD0101-11
2	10009-MF-TRIP2	X	X	Soil		4/16	8:00	1	-12
3				Wastewater					
4				Drinking water					
5				Sludge					
6				Liquid					
7				Solid					
8				Oil					
9				Other					
10									
Released by (print / sign): Michael Gibe / M. Kelley		Date / time released: 4/16/10 12:00		Received by (print / sign): Jim		Company / Agency affiliation: 14 Nov		Date / time received: 4/16/10 12:00	
								Condition noted: Box 32	
								6el	

Comments: **Multi-Increment Methods**

Please check one:
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